

ABSTRACT OF THE DISCLOSURE

To provide a method and a device for separating object substances from a mixture without requiring an ultrasonic generator and a centrifugal separator. [MEANS FOR SOLVING PROBLEMS] In this method of separating the object substances from the mixture by using a first solvent and a second solvent, the phases of the first solvent and the second solvent are reversibly changed from a state of being separated into two phases to a state of being mutually dissolved into one phase by changing their temperatures. The upstream portion and the center portion of a column including the first solvent are held in a temperature range in which the solvents are mutually dissolved into one phase, and the downstream portion of the column is held in a temperature range in which the solvents are separated into two phases. The second solvent in which the mixture is dissolved is charged from the upstream portion of the column into the column, and the separated second solvent phase is taken out from the downstream portion of the column.